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of Bryozoa, by J. Barrois; the present memoir is concerned with the structure of several Turbellarian worms, and is particularly valuable as giving detailed and well illustrated life histories of *Eurylepta auriculata*, *Leptoplana tremellaris*, with fragmentary but still important embryological details on certain Rhabdocelous worms, with especial reference to the early history of the egg. He describes the lasso cells of some of the worms, remarkably like those of the jelly-fish, and discusses the process of strobilation in a Microstomum.

WESTWOOD'S SYNOPSIS OF URANIIDÆ.¹—This is a finely illustrated essay on the systematic position of this small but interesting group of moths. By Guenée they were placed at the head of the Phalænidæ, in which view he was followed by Packard. Prof. Westwood, however, on account of differences in the venation of the wings, and the fact that the larvæ are not loopers, but have sixteen legs instead, or fourteen as with a very few Geometiid larvæ, believes that the group should be placed at a distance from the Geometridæ and amongst the Bombycidæ.

THE ZOOLOGICAL RECORD FOR 1877.²—This well known publication of the Zoölogical Record Association, and which has now become almost absolutely indispensable to working naturalists, deserves more than a mere passing notice. Under the heads of twenty-two classes and orders, the progress of Zoölogy for the year past in all departments is reviewed by specialists competent, from their bibliographical attainments and training in their respective departments, to carry out the work satisfactorily. Under each head the contents of the more important papers, general and special, are given with references to their place of publication. The mammalia have been done by Edward Richard Alston; Aves, by Howard Saunders; Reptilia and Pisces, by A. W. E. O'Shaughnessy; Mollusca and Molluscoida, by Prof. Edward von Martens; Crustacea, by Prof. von Martens; Arachnida and Myriopoda, by Rev. O. P. Cambridge; Insecta, general subject, by E. C. Rye, together with Coleoptera, Hymenoptera, Diptera and Rhynchota; Lepidoptera, by W. F. Kirby; Neuroptera and Orthoptera, by R. McLachlan; Vermes, by F. Jeffrey Bell; Echinodermata and Cœlenterata, by C. F. Lütken; Spongida and Protozoa, by Stuart O. Ridley. Most of these names are exceedingly familiar to naturalists and are a sufficient guarantee of the character of the book. It is a work which may be deservedly encour-

¹ *Observations on the Uraniidæ, a family of Lepidopterous Insects, with a Synopsis of the Family and a Monograph of Coronidia, one of the genera of which it is composed.* By J. O. WESTWOOD. (From the Transactions of the Zoölogical Society, X, Part XII, 1879.) June 1st, 4to, pp. 35, 3 plates.

² *The Zoölogical Record for 1877*; being volume fourteenth of the Record of Zoölogical Literature. Edited by Edward Caldwell Rye, F. Z. S., M. E. S., etc., 8vo., pp. 24, 59, 11, 30, 97, 36, 20, 1, 234, 20, 11, 18, 8, 12. London, John Van Voorst, Paternoster Row, 1879.